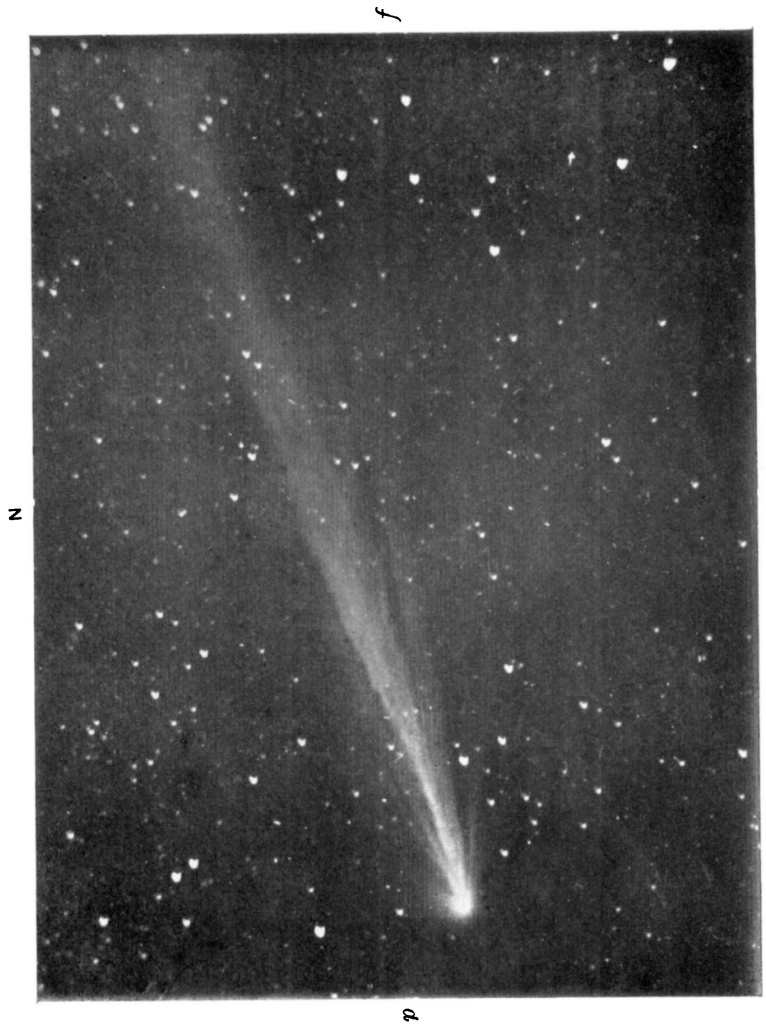
Observations of Comet c 1908 (*Morehouse*). By R. C. Johnson. (Plate 12.)

This paper consists of notes of the dates upon which negatives of comet *c* 1908 were obtained at West Kirby with a mirror of $6\frac{3}{8}$ inches in diameter and 27·9 inches focal length, denoted by R, and a Voigtländer portrait combination of $4\frac{1}{8}$ inches in diameter and 13·6 inches focal length, denoted by V.

Photographs taken with such small apertures are not intended to compete with the work done by large instruments, but the dates are submitted, with the hope that possibly some of the negatives secured in November, when the comet's altitude was very small, may be found useful in the investigation of the movement of cometary matter.

1908.	G. M. T. of Mean Exposure.	Time of Exposure in minutes.	Age of ☽ at midnight.	Instrument	State of Sky.	Notes.
	h m		days			
1 Sept. 17	9.15	30		V	hazy	Tail 2°.
2 21		7		V	hazy	Tail v. narrow, 7° in length.
3 22		50		V R		
4 29	8 42	45		V R	very clear	Very fine aurora; made observatory quite light.
5 30	8 28	20	5·38	V R		
6 30	9 30	30		V R		Tail $8\frac{1}{2}$°.
7 Oct. 3	10 42	45	8·38	V R		Tail $2\frac{3}{4}$°; several branches widening out to 25°.
8 13	7 35	20	18·38	V R	slight haze	Tail 5° long.
9 17	10 15	20		R		
9a 17	10 20	10		V		☌ seen distinctly on X wire of following telescope for first time; tail $7\frac{1}{2}$°+.
10 21	8 53	32		V R	very clear	
11 24	9 52	40		V R	very clear	Tail $10\frac{1}{4}$°; slightly curved, with many fine streamers on N. side of axis.



COMET 1908 c (MOREHOUSE), NOV. 15 d. 6 h. 3 m G.M.T.
6$\frac{3}{5}$-IN. REFLECTOR. R. C. JOHNSON.

1908.	G.M.T. of Mean Exposure.	Time of Exposure in minutes.	Age of ☽ at midnight.	Instrument.	State of Sky.	Notes.
	h m		days			
12 Oct. 25		30		V R	very clear	
13 Nov. 3	7 0	16	9·72	V R	haze	V plate blackened with ☽. 5° tail.
14 4	6 32	16	10·72	V R		E. wind, but clearer than on Nov. 3.
15 8	6 13	21	14·72	R		Knot in tail $3\frac{1}{2}°$ from nucleus; several fine rays at nucleus.
15a 8	6 15	17	14·72	V		
16 8	7 36	33	14·72	R		
16a 8	7 33	28	14·72	V	S.E. wind	Slight haze.
17 9	6 32	30	15·72	V R		Tail straight, 6°.
18 15	6 3	42	21·72	V R	very clear	$9\frac{1}{2}°$ tail; much detail. Not quite dark at beginning of exposure.
19 18	6 26	10		V R	clear intervals	Delayed by cloud. $10\frac{1}{2}°$ tail.
20 25	6 18	34		V R	clear	Slight horizon haze at end. Tail 8°+.
21 29	5 51	22		R	clear	but not dark.

In the 5th column of table the Moon's age at midnight is stated when definition was interfered with.

Micrometrical Measures of Double Stars (Sixth Series).

By the Rev. T. E. Espin, M.A.

The stars measured in 1908 are mainly those of *h* which hitherto have remained unmeasured. The working list contains 203 stars of *h* between +40° and +50° in declination, and 107 of these have now been measured. In the list of various stars will be found ten pairs entered in column 1 as Arg. VI., followed by a number. These are from a list of fifty-three pairs collected from vol. vi. of the Bonn Observations which had not been noted previously to Argelander's Observations. Several of these have been rediscovered by modern observers. In some cases *h*'s place is in error, and the pair has then been searched for, and when identified the correct place is given, and an asterisk is affixed to the star. The star *h* 2063 is identical with A 944 A C, *h*'s place being 1^m. in R.A. too great; the star *h* 2510 R.A. $9^h\ 46^m\ 35^s$ Decl. +49° 22′ (1880) was searched for on the nights of March 23 and April 7, without result.

h's *Stars.*

h.	R.A. 1880. h m	Decl. ° ′	P. °	D. ″	Mags.	Nights.	Date. 1908.
1036	0 28·1	+42 13	81·9	6·22	9·2, 9·8	2	·054
1987	28·8	42 24	348·5	21·62	8·5, 11·0	3	·334
1044	33·7	43 3	318·4	21·84	9·0, 9·2	3	·338
1062*	53·0	48 56	106·4	9·90	8·8, 10·7	3	·042
1071	1 1·3	46 46	118·4	14·72	9·0, 11·5	2	·024
2057	28·9	45 45	42·9	11·02	9·0, 11·0	2	·015
2089	44·1	42 53	305·2	29·26	8·6, 9·0	3	·047
2117	2 4·7	44 6	30·1	8·09	Var.	3	·030 AB
			199·8	13·50	C=10·4	3	·030 AC
			285·1	24·43	D=11·7	3	·030 AD
2137	20·7	42 42	132·8	26·22	8·6, 9·9	3	·023
2141	22·2	44 57	141·7	10·95	11·0, 11·6	2	·068
2139	22·6	52 38	298·0	3·52	8·5, 8·6	2	·918 AB
			6·5	20·43	C=12·0	2	·918 AC
2147	28·9	45 32	166·5	9·82	9·3, 10·5	2	·055
2160	43·5	47 33	268·3	8·02	10·1, 11·2	2	·063
2162	46·9	43 3	38·5	12·72	9·4, 9·6	3	·040 AB
2163			6·6	10·30	11·3, 12·7	3	·040 CD
			52·8	68·78		3	·040 AC
2167	53·1	44 25	33·9	36·87	8·8, 9·5	3	·015
2297*	6 5·3	48 38	17·8	8·60	10·0, 11·5	1	·066